

FIG. 1

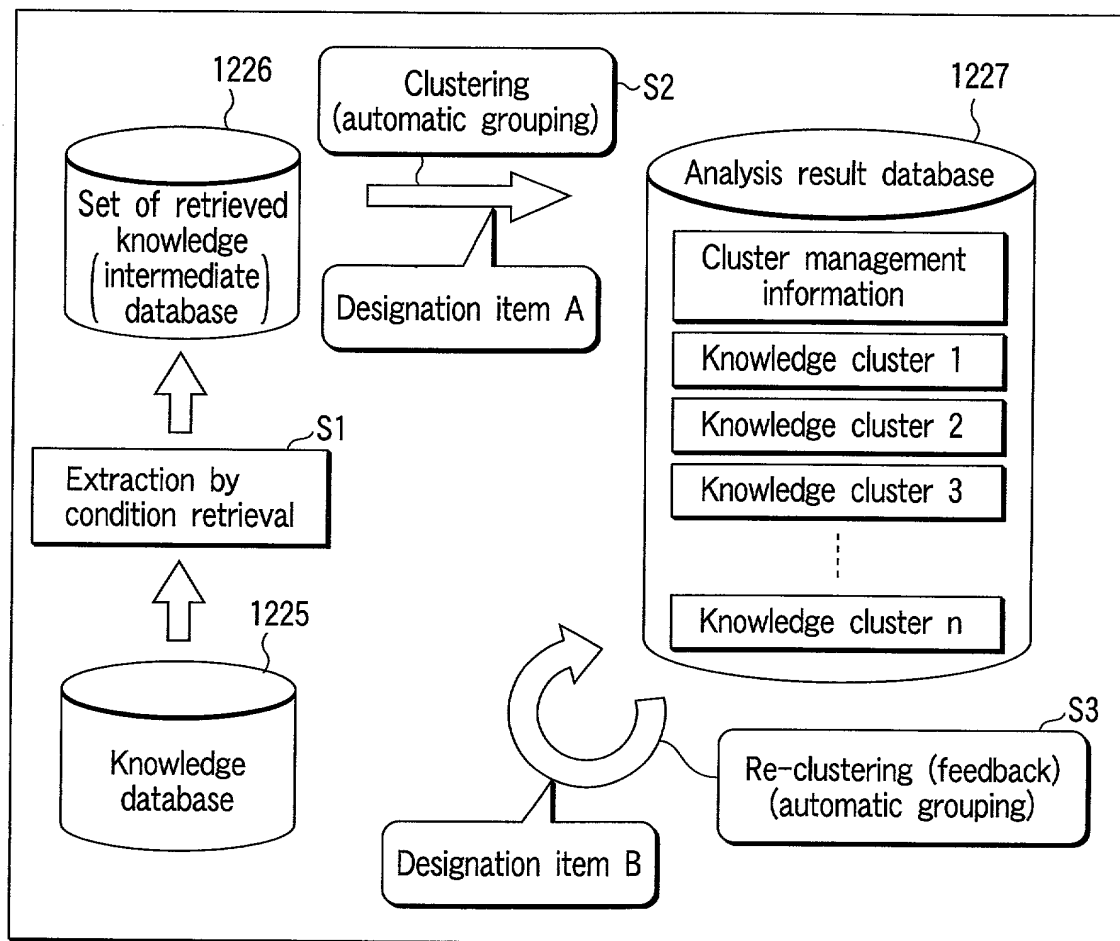


FIG. 2

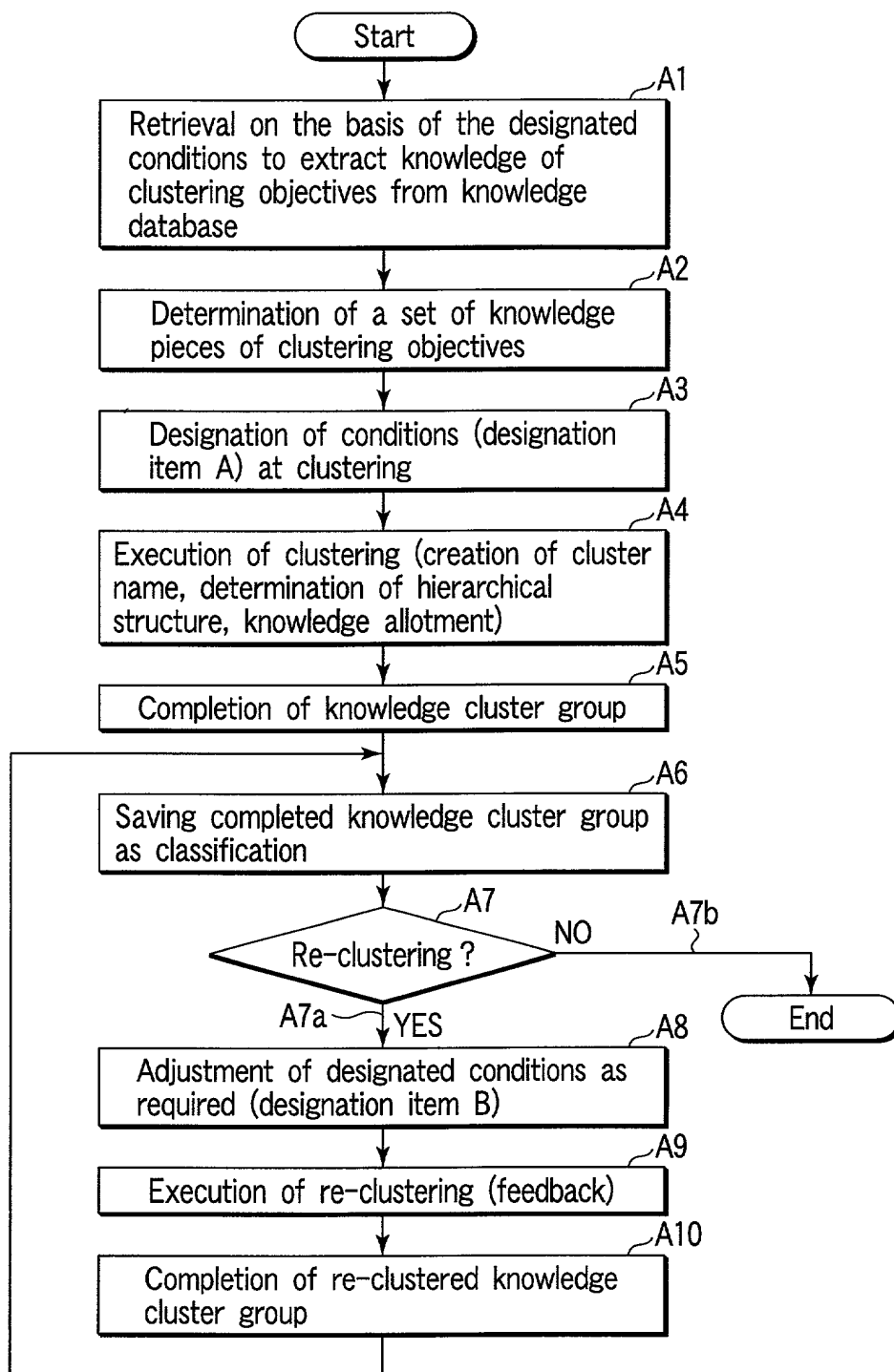


FIG. 3

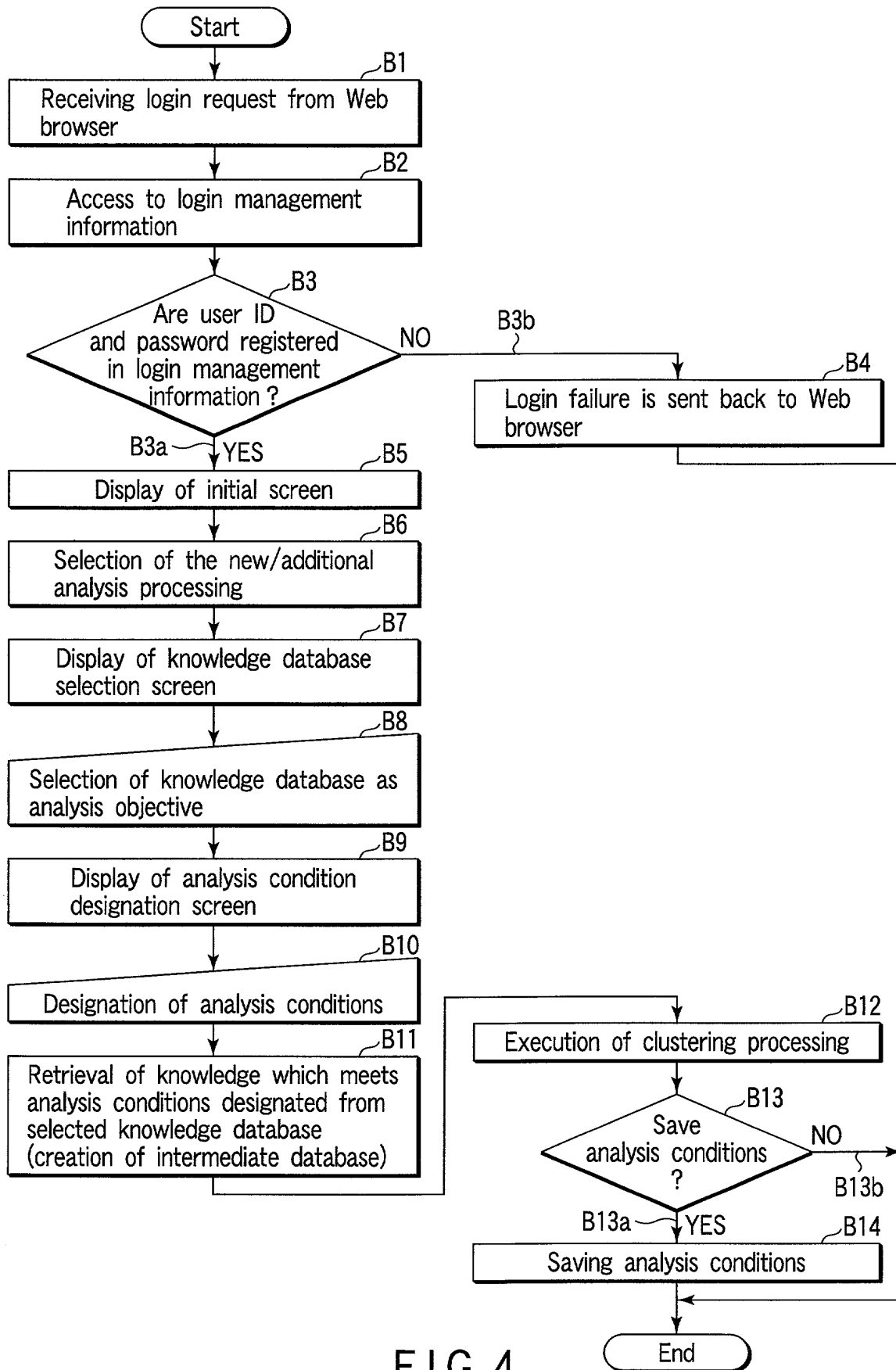


FIG. 4

Initial screen	Select the menu you want from the following menus	Enter
New/additional analysis processing	Select this when you want to carry out knowledge analysis newly, or to carry out additional knowledge analysis on the basis of existing analysis results	
Re-analysis/editing processing	Select this when you want to reconfigure existing analysis results, or to examine existing analysis results	

FIG. 5

Extraction by condition retrieve (s1),
Execution of clustering (s2)

To Analysis condition saving screen in FIG. 8

To analysis condition reading screen in FIG. 10

Analysis condition designation

Analysis condition saving End

Analysis objective DB: • 10000 cases db (No.1 10225 cases) • XXnewspaper article (as of 1999 10000 cases)

Analysis result name: Market trend analysis results of 10000 cases db & XXnewspaper articles (1996 to 2000)

Analysis objective period: January 1 1996 to December 31 2000

Focusing keyword: Tokyo New York London

Number of focusing cases: 1000

Number of hierarchies: ○ 1-class layer ● 2-class layer ○ 3-class layer ○ 4-class layer ○ n-class layer

Overlap of knowledge: ● Present ○ Absent

Maximum number of most significant clusters: 20

Important word: Market price Market Stocks Securities Pensions Economy Banks
Money interests Currency

Unnecessary word: Sports Social issues Accidents

Synonymous word: NY = New York = NEW YORK;
●●● = ○○○○;

FIG. 7

Saving analysis conditions

Analysis condition saving	Enter analysis condition name to save	Enter
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Analysis condition name : Market trend analysis results of 10000 cases db & XXnewspaper articles (1996 to 2000)

Analysis objective period : January 1, 1966 to December 31, 2000

Focusing keyword : Tokyo New York London

Number of focusing cases : 1000 cases

Number of hierarchies : 2-class hierarchy

Maximum number of most significant clusters : 20 pieces

Overlap of sentence : Present

Important word : Market price Market Stocks Securities Pensions Economy Banks
Money interests Currency

Unnecessary word : Sports Social issues Accidents

Synonymous word : NY = New York = NEW YORK;
●●● = ○○○○ ;

FIG. 8

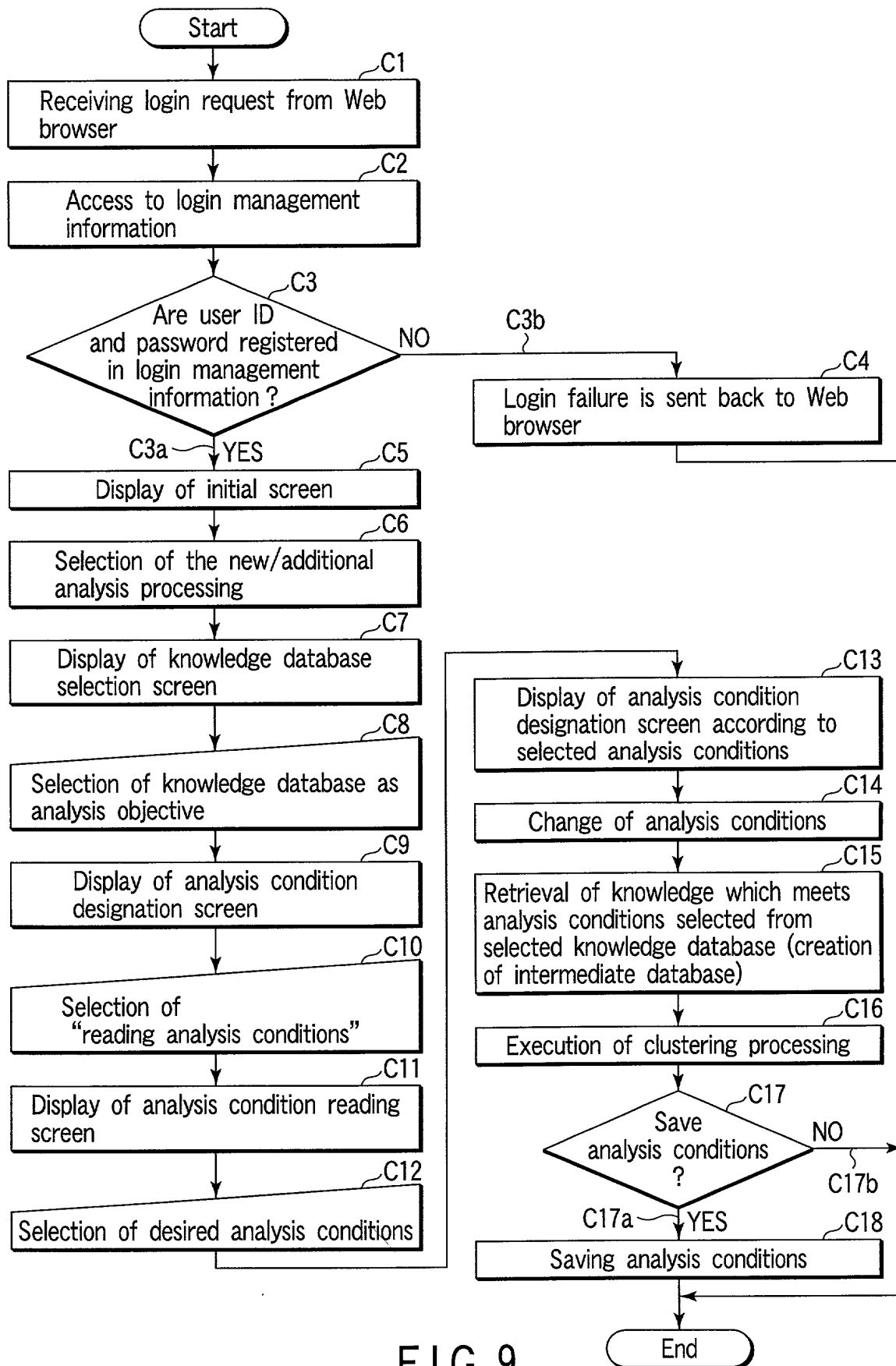


FIG. 9

Analysis conditions reading and to analysis
condition designation screen in FIG. 7

Analysis conditions reading : 4 cases in total		Select analysis conditions	Select
Objective	Analysis conditions	Date of creation	
<input checked="" type="radio"/> 10000 cases db & XXnewspaper article market trend analysis results		2001/01/01 00:23	
<input type="radio"/> Setting for <input checked="" type="radio"/> analysis of <input type="radio"/> DB		2001/02/02 09:20	
<input type="radio"/> CCCC		2001/03/03 18:00	
<input type="radio"/> DDDD		2001/04/01 22:00	
		...	

FIG. 10

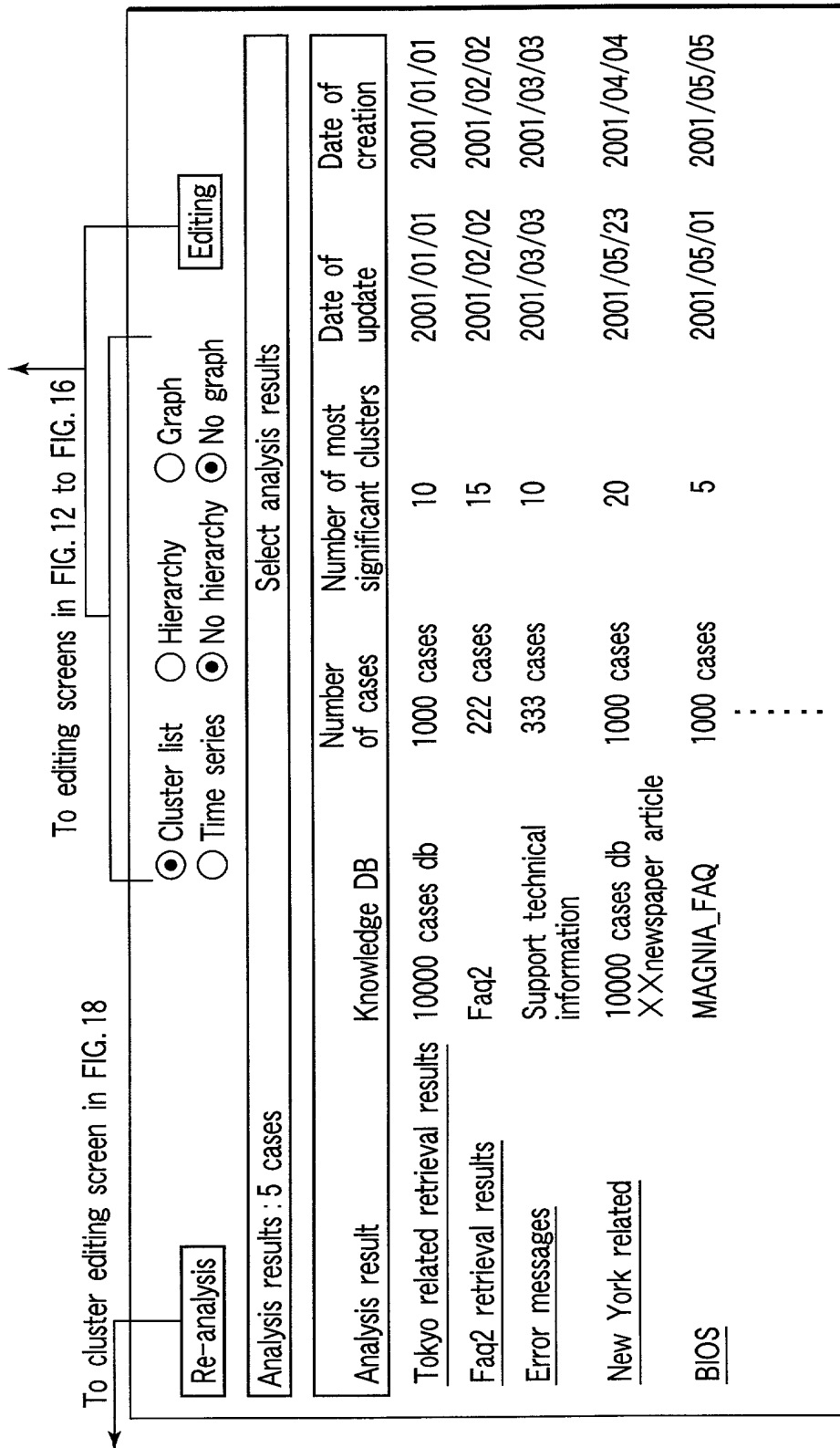


FIG.11

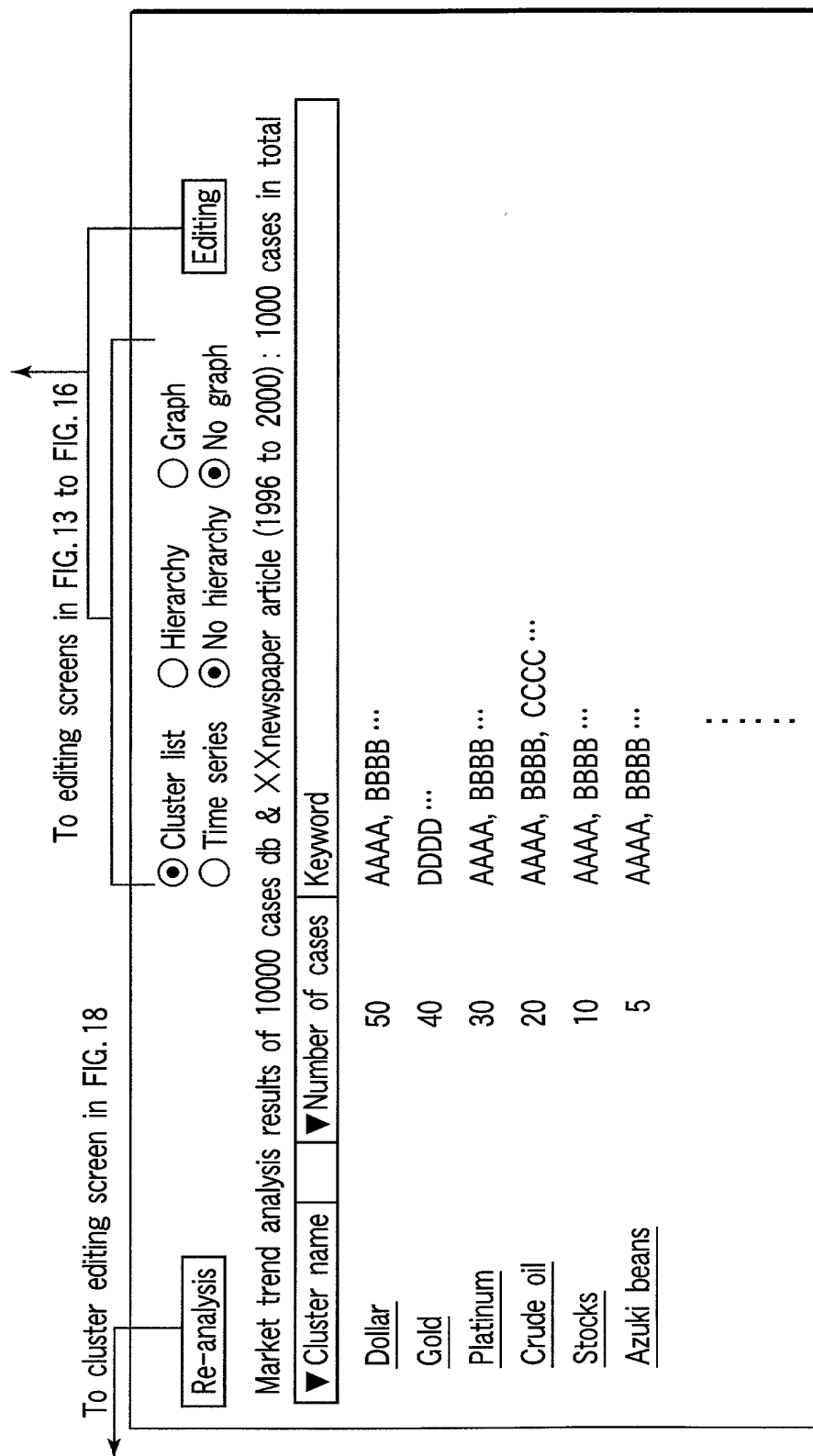


FIG. 12

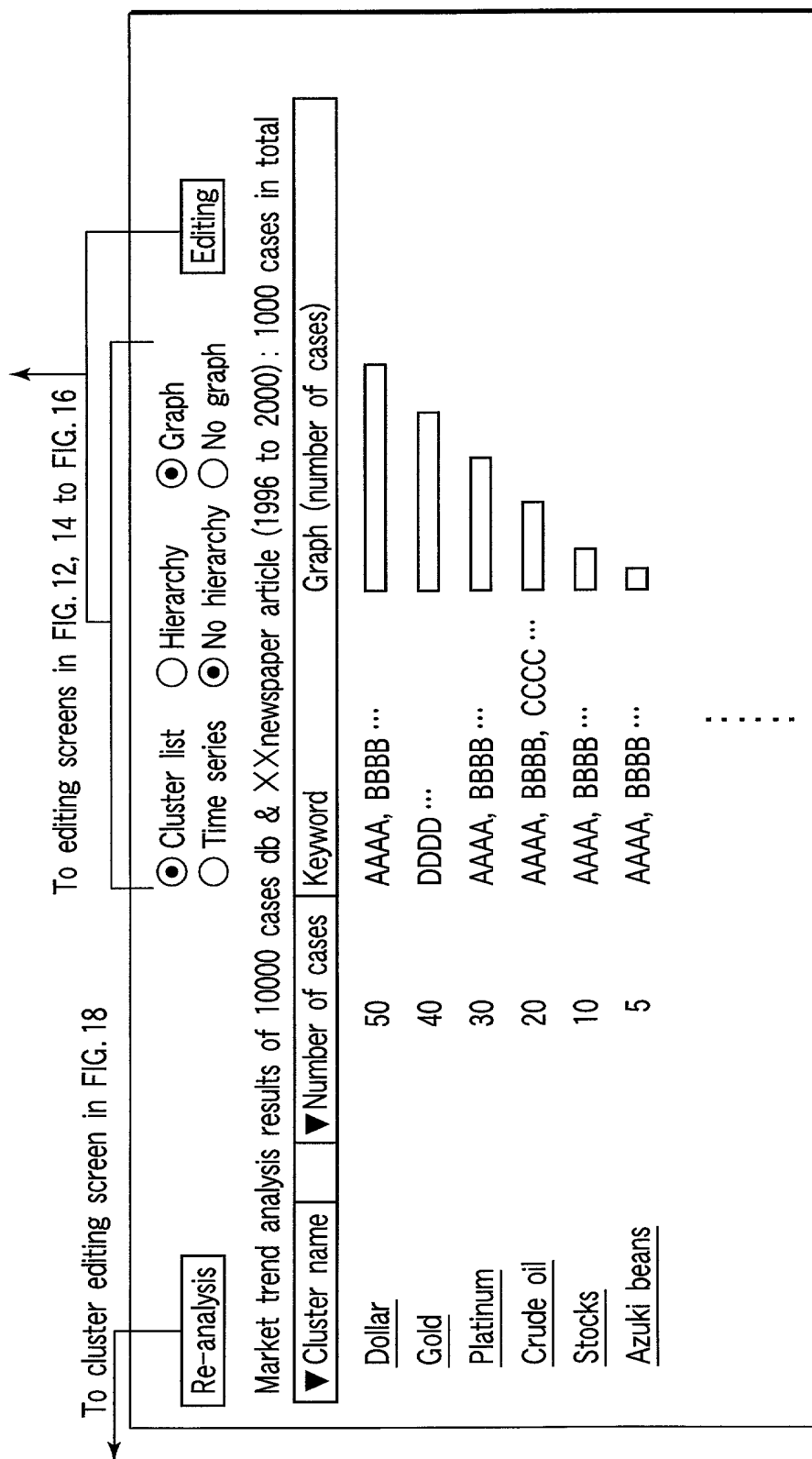
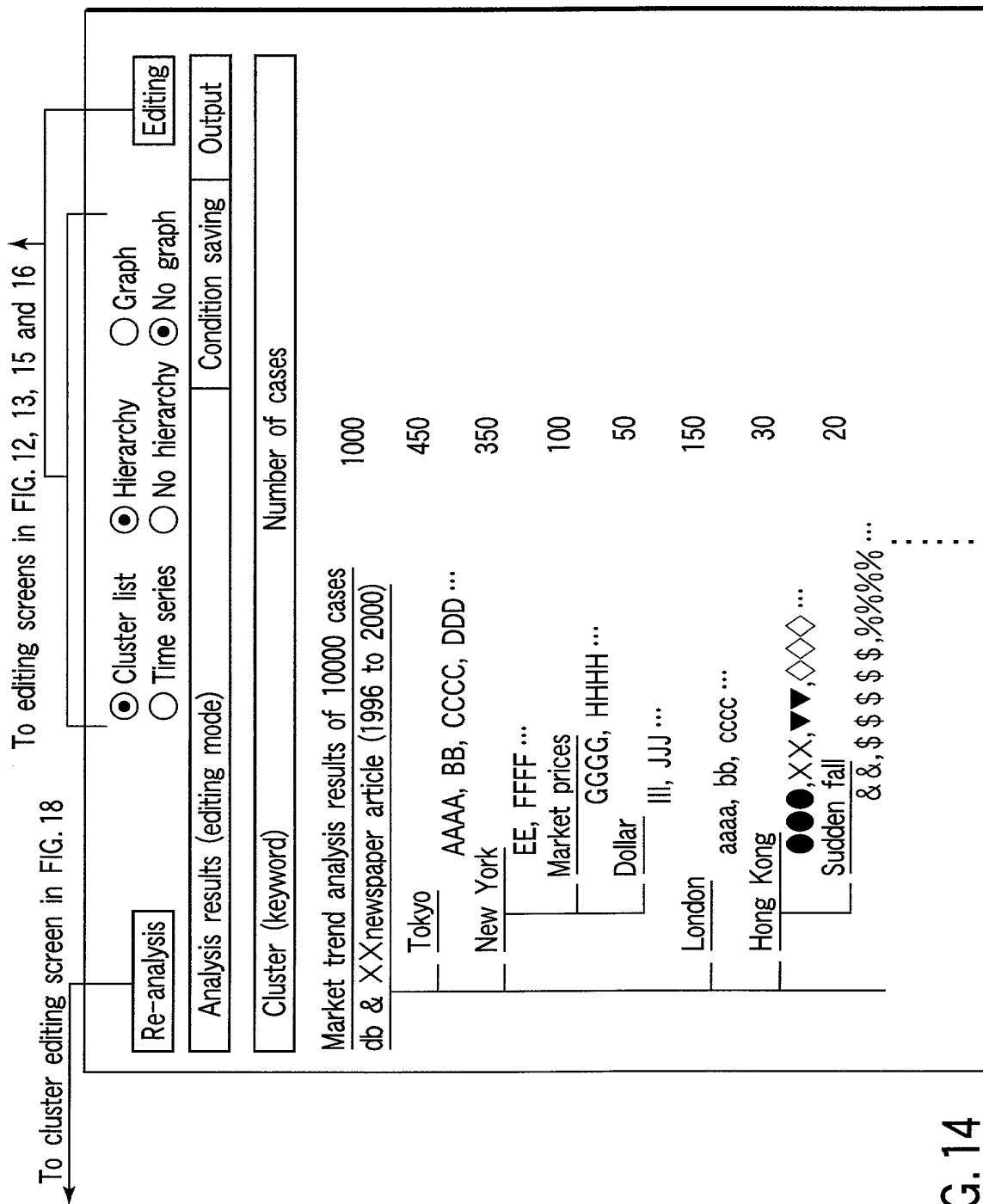
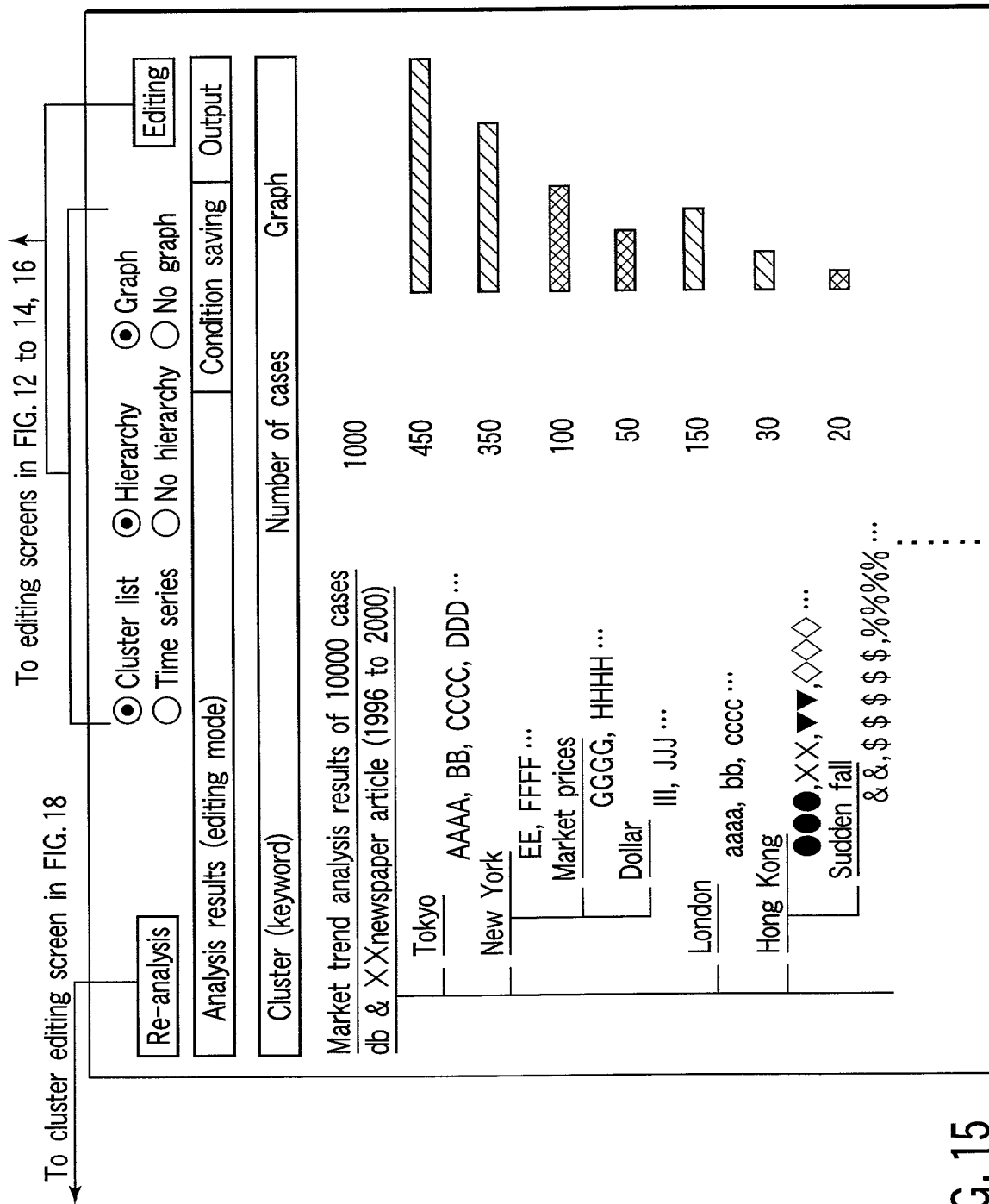


FIG. 13





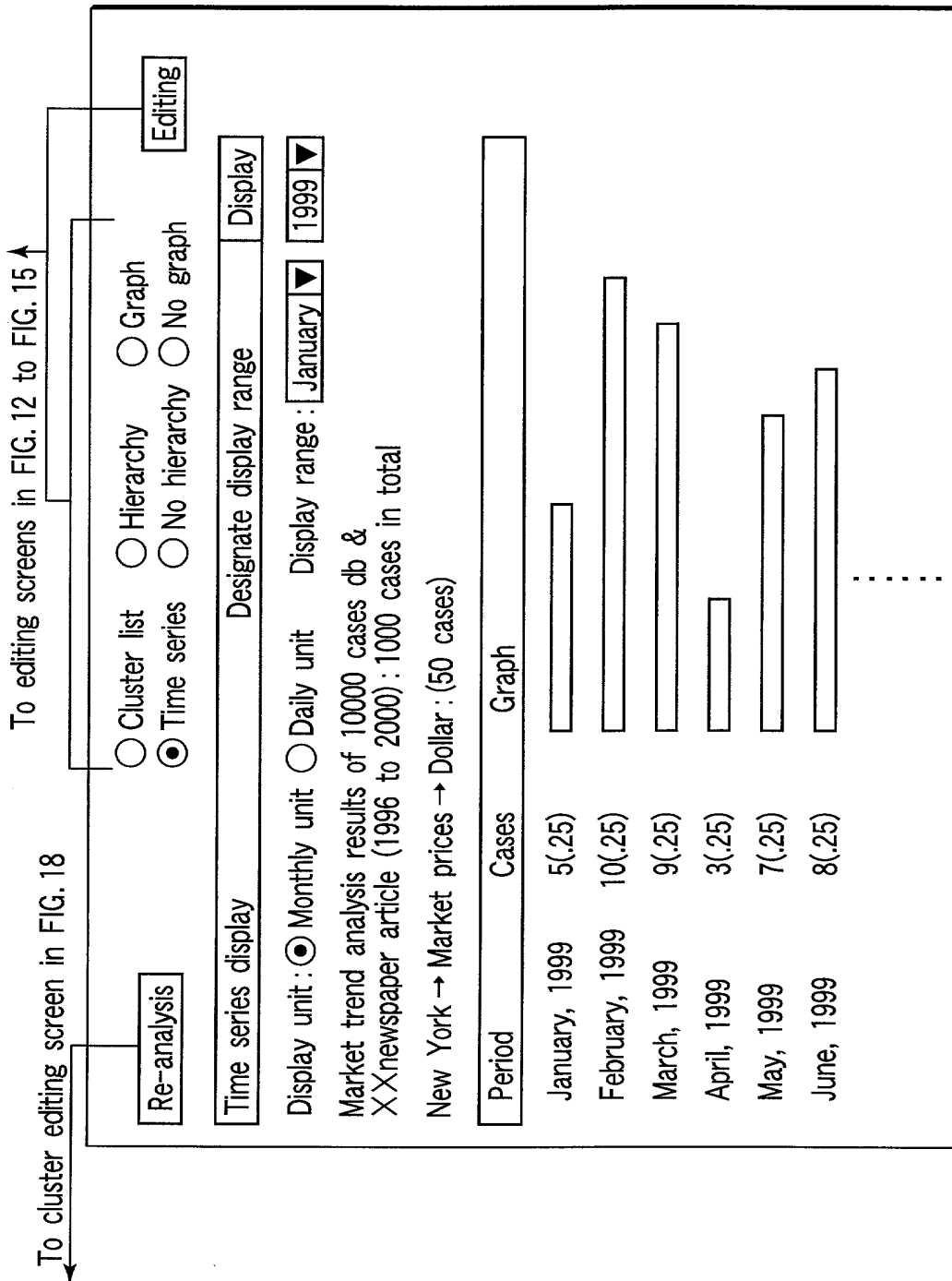


FIG. 16

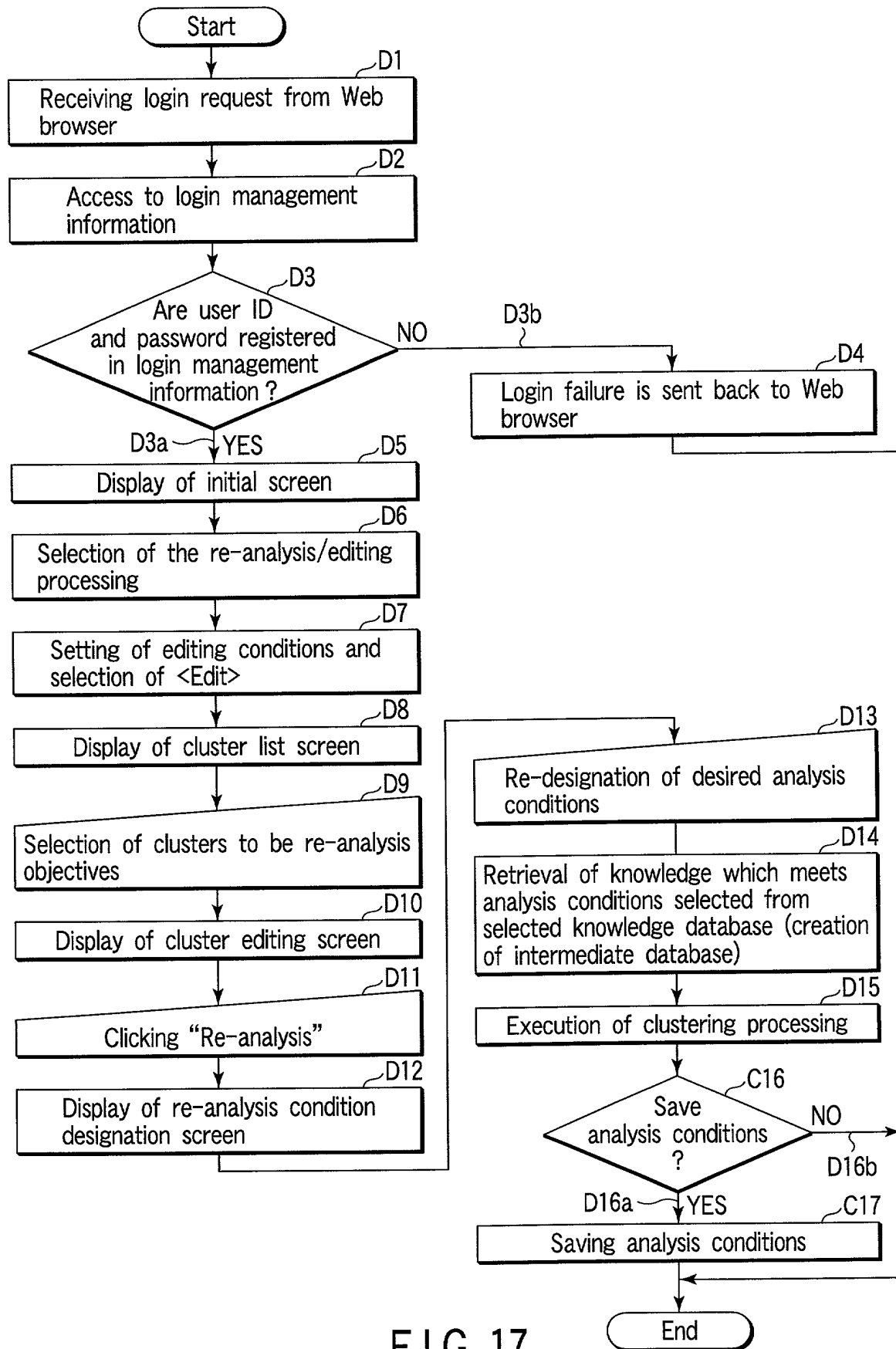


FIG. 17

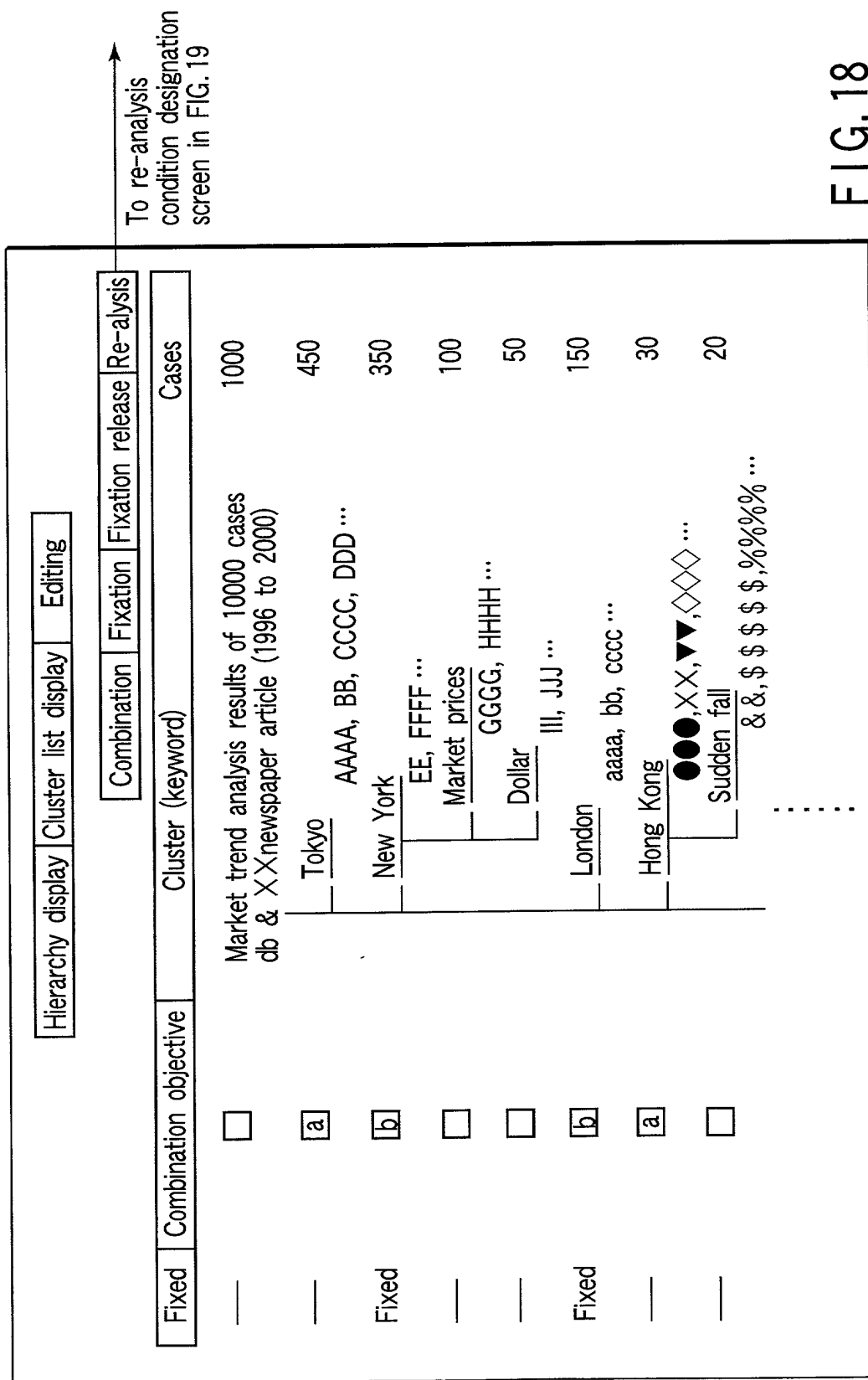
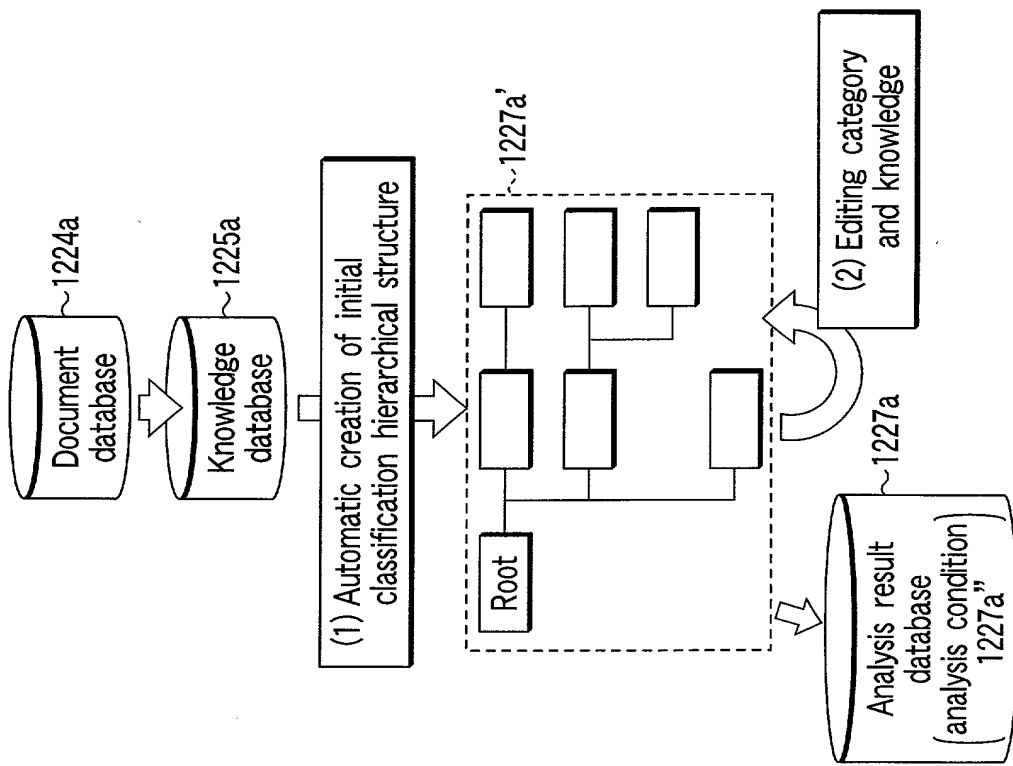


FIG. 18

Re-analysis processing →

Re-analysis condition designation	Input analysis conditions	Enter
Analysis objective DB :	• 10000 cases db (No.1 10225 cases) • XXnewspaper article (as of 1999 10000 cases)	
Analysis result name :	Market trend analysis results of 10000 cases db & XXnewspaper articles (1996 to 2000)	
Analysis objective period :	January 1, 1966 to December 31, 2000	
Focusing keyword :	Tokyo New York London	
Number of focusing cases :	1000 cases	
Number of hierarchies :	2-class layer	
Overlap of knowledge :	Present	
Maximum number of most significant clusters :	30 pieces	
Important word :	Market price Market Stocks Securities Pensions Economy Banks Money interests Currency Monetary relaxation Bad loans	
Unnecessary word :	Sports Social issues Accidents	
Synonymous word :	NY = New York = NEW YORK; ●●● = ○○○○ ;	

FIG.19



(A) Operation at introduction

FIG. 20A

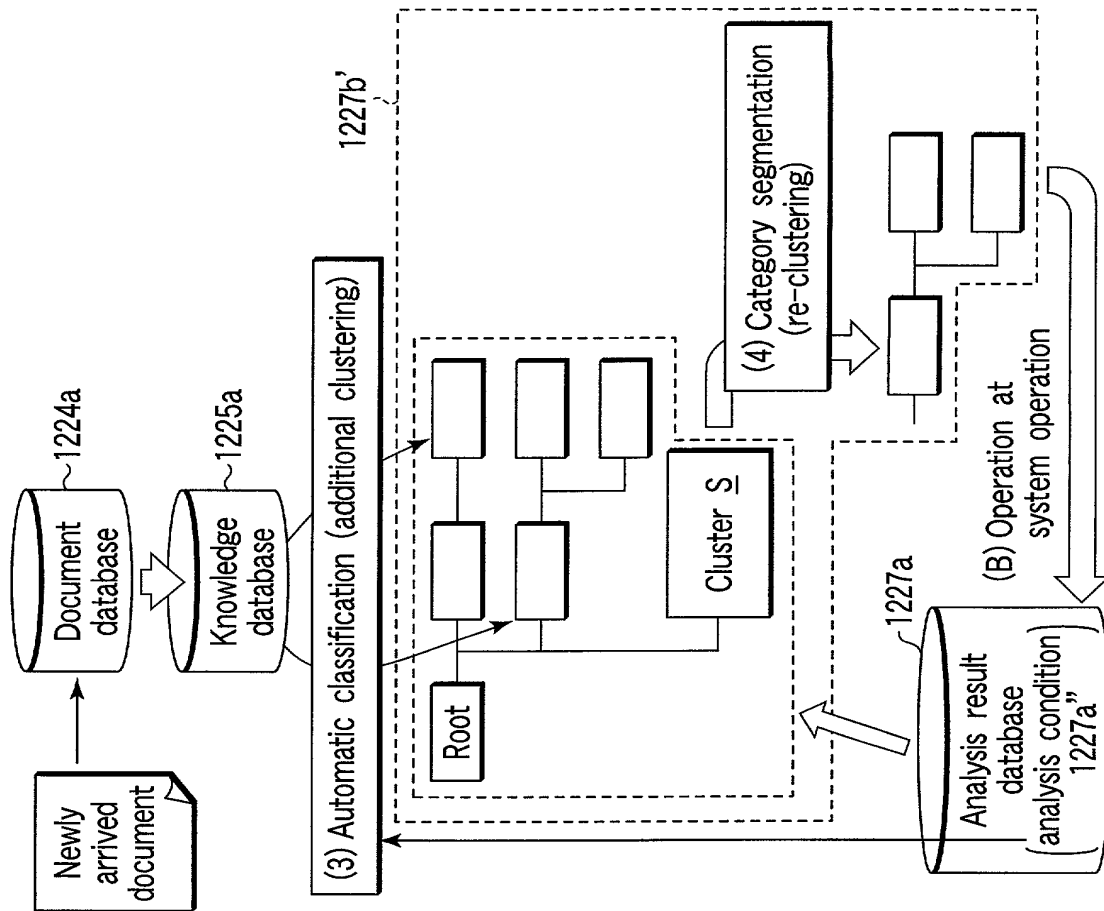


FIG. 20B

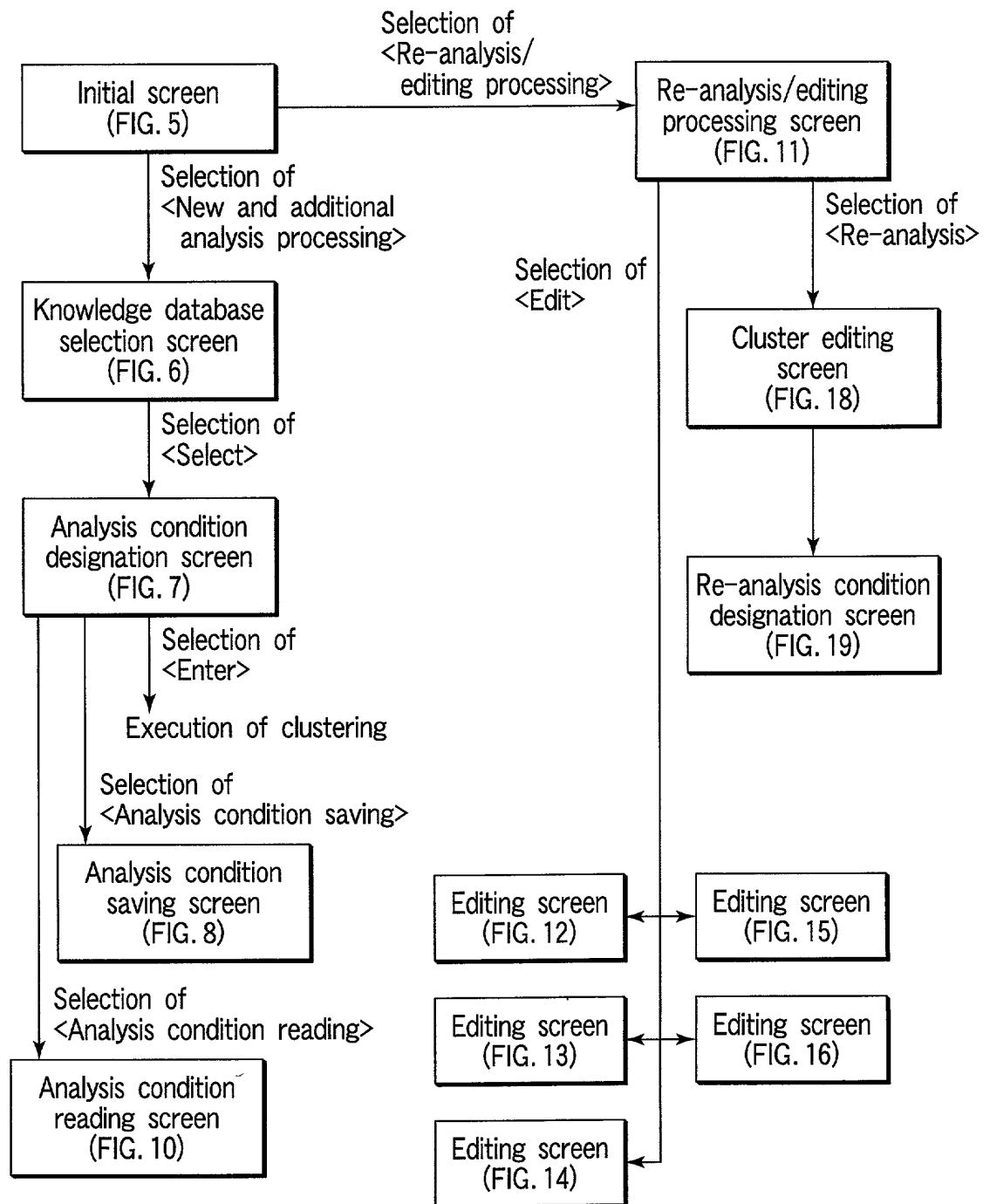


FIG. 21